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## PCT REQUEST

S1680150

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|         |   |   |
|---------|---|---|
| 0       | For receiving Office use only   |   |
| 0-1     | International Application No.   |   |
| 0-2     | International Filing Date   |   |
| 0-3     | Name of receiving Office and "PCT International Application"  |   |
| 0-4     | Form - PCT/RO/101 PCT Request   |   |
| 0-4-1   | Prepared using  | PCT-EASY Version 2.92<br>(updated 01.01.2003)   |
| 0-5     | Petition<br>The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |
| 0-6     | Receiving Office (specified by the applicant)   | Canadian Patent Office (RO/CA)  |
| 0-7     | Applicant's or agent's file reference   | S1680150  |
| I       | Title of invention  | DNA AND RNA CONFORMATIONAL SWITCHES AS SENSITIVE ELECTRONIC SENSORS OF ANALYTES   |
| II      | Applicant   |   |
| II-1    | This person is:   | applicant only  |
| II-2    | Applicant for   | all designated States except US   |
| II-4    | Name  | SIMON FRASER UNIVERSITY   |
| II-5    | Address:  | Room 2100 Strand Hall<br>University/Industry Liaison Office<br>Burnaby, British Columbia V5A 1S6<br>Canada  |
| II-6    | State of nationality  | CA  |
| II-7    | State of residence  | CA  |
| II-8    | Telephone No.   | 604-291-3843  |
| II-9    | Facsimile No.   | 604-291-3477  |
| III-1   | Applicant and/or inventor   |   |
| III-1-1 | This person is:   | applicant and inventor  |
| III-1-2 | Applicant for   | US only   |
| III-1-4 | Name (LAST, First)  | DIPANKAR, Sen   |
| III-1-5 | Address:  | c/o SIMON FRASER UNIVERISTY<br>Industry Liaison Office<br>Department of Molecular Biology & Biochemistry<br>888 University Drive<br>Burnaby, British Columbia V5A 1S6<br>Canada |
| III-1-6 | State of nationality  | CA  |
| III-1-7 | State of residence  | CA  |

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| III-2   | Applicant and/or inventor   |   |
| III-2-1 | This person is:   | applicant and inventor  |
| III-2-2 | Applicant for   | US only   |
| III-2-4 | Name (LAST, First)  | FAHLMAN, Richard, P.  |
| III-2-5 | Address:  | Apt. E4/21, 1300 30th Street<br>Boulder, CO 80303<br>United States of America   |
| III-2-6 | State of nationality  | CA  |
| III-2-7 | State of residence  | US  |
| IV-1    | Agent or common representative; or address for correspondence<br>The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent   |
| IV-1-1  | Name (LAST, First)  | BAILEY, Thomas, W.  |
| IV-1-2  | Address:  | OYEN WIGGS GREEN & MUTALA<br>480 - The Station<br>601 West Cordova Street<br>Vancouver, British Columbia V6B 1G1<br>Canada  |
| IV-1-3  | Telephone No.   | 604-669-3432  |
| IV-1-4  | Facsimile No.   | 604-681-4081  |
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| IV-2    | Additional agent(s)   | additional agent(s) with same address as first named agent  |
| IV-2-1  | Name(s)   | OYEN, Gerald, O., S.; WIGGS, Blake, R.;<br>GREEN, Bruce, M.; MCGRUDER, David, J.;<br>SUE, Hilton, W., C.; MANNING, Gavin, N.;<br>KONDOR, George, F.; ASH, Craig, A.   |
| V       | Designation of States   |   |
| V-1     | Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)  | AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM<br>ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT<br>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT<br>EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT<br>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT |

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| V-2    | National Patent<br>(other kinds of protection or treatment,<br>if any, are specified between<br>parentheses after the designation(s)<br>concerned)  | AE AG AL AM AT AU AZ BA BB BG BR BY BZ<br>CA CH&LI CN CO CR CU CZ DE DK DM DZ EC<br>EE ES FI GB GD GE GH GM HR HU ID IL IN<br>IS JP KE KG KP KR KZ LC LK LR LS LT LU<br>LV MA MD MG MK MN MW MX MZ NI NO NZ OM<br>PH PL PT RO RU SC SD SE SG SK SL TJ TM<br>TN TR TT TZ UA UG US UZ VC VN YU ZA ZM<br>ZW |
| V-5    | Precautionary Designation Statement<br><br>In addition to the designations made<br>under Items V-1, V-2 and V-3, the<br>applicant also makes under Rule 4.8(b)<br>all designations which would be<br>permitted under the PCT except any<br>designation(s) of the State(s) indicated<br>under Item V-6 below. The applicant<br>declares that those additional<br>designations are subject to confirmation<br>and that any designation which is not<br>confirmed before the expiration of 15<br>months from the priority date is to be<br>regarded as withdrawn by the applicant<br>at the expiration of that time limit. |  |
| V-6    | Exclusion(s) from precautionary<br>designations   | NONE   |
| VI-1   | Priority claim of earlier national<br>application   |  |
| VI-1-1 | Filing date   | 11 March 2002 (11.03.2002)   |
| VI-1-2 | Number  | 60/362,928   |
| VI-1-3 | Country   | US   |
| VII-1  | International Searching Authority<br>Chosen   | European Patent Office (EPO) (ISA/EP)  |
| VIII   | Declarations  | Number of declarations   |
| VIII-1 | Declaration as to the identity of the<br>inventor   | -  |
| VIII-2 | Declaration as to the applicant's<br>entitlement, as at the international filing<br>date, to apply for and be granted a<br>patent   | -  |
| VIII-3 | Declaration as to the applicant's<br>entitlement, as at the international filing<br>date, to claim the priority of the earlier<br>application   | -  |
| VIII-4 | Declaration of inventorship (only for the<br>purposes of the designation of the<br>United States of America)  | -  |
| VIII-5 | Declaration as to non-prejudicial<br>disclosures or exceptions to lack of<br>novelty  | -  |


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| IX    | Check list   | number of sheets  | electronic file(s) attached |
|-------|--|---|-----------------------------|
| IX-1  | Request (including declaration sheets)                     | 4   | -                           |
| IX-2  | Description  | 35  | -                           |
| IX-3  | Claims   | 5   | -                           |
| IX-4  | Abstract   | 1   | EZABST00.TXT                |
| IX-5  | Drawings   | 15  | -                           |
| IX-7  | TOTAL  | 60  |                             |
|       | Accompanying items   | paper document(s) attached  | electronic file(s) attached |
| IX-8  | Fee calculation sheet                                      | ✓   | -                           |
| IX-17 | PCT-EASY diskette  | -   | Diskette                    |
| IX-19 | Figure of the drawings which should accompany the abstract | 1   |                             |
| IX-20 | Language of filing of the international application        | English   |                             |
| X-1   | Signature of applicant, agent or common representative     |  |                             |
| X-1-1 | Name (LAST, First)   | BAILEY, Thomas, W.  |                             |

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|        |   |        |
|--------|---|--------|
| 10-1   | Date of actual receipt of the purported international application   |        |
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

## FOR INTERNATIONAL BUREAU USE ONLY

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| 11-1 | Date of receipt of the record copy by the International Bureau |  |
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| III-1   | Applicant and/or inventor   |   |
| III-1-1 | This person is:   | applicant and inventor  |
| III-1-2 | Applicant for   | US only   |
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